

IN THE ABSTRACT

Please amend the abstract at page 243, lines 2-21, as follows:

A thickness servo system using optical aberrations is provided. ~~This system includes an objective lens facing a recording layer covered with a transparent layer accompanying thickness irregularity, a laser source for supplying a laser beam to the recording layer through the objective lens and transparent layer, a photodetector for detecting the laser beam reflected by the recording layer through the transparent layer and objective lens, and a thickness irregularity correction section which is placed in a laser beam optical path between the laser source and the recording layer to correct an optical aberration of the objective lens due to the thickness irregularity of the transparent layer.~~ In this servo system, ~~[[the]]~~ a photodetector detects an aberration amount corresponding to thickness irregularity, and ~~[[the]]~~ a thickness irregularity correction section operates to minimize the detected aberration amount. The thickness irregularity of ~~[[the]]~~ a transparent layer can also be calculated from the detected aberration amount.